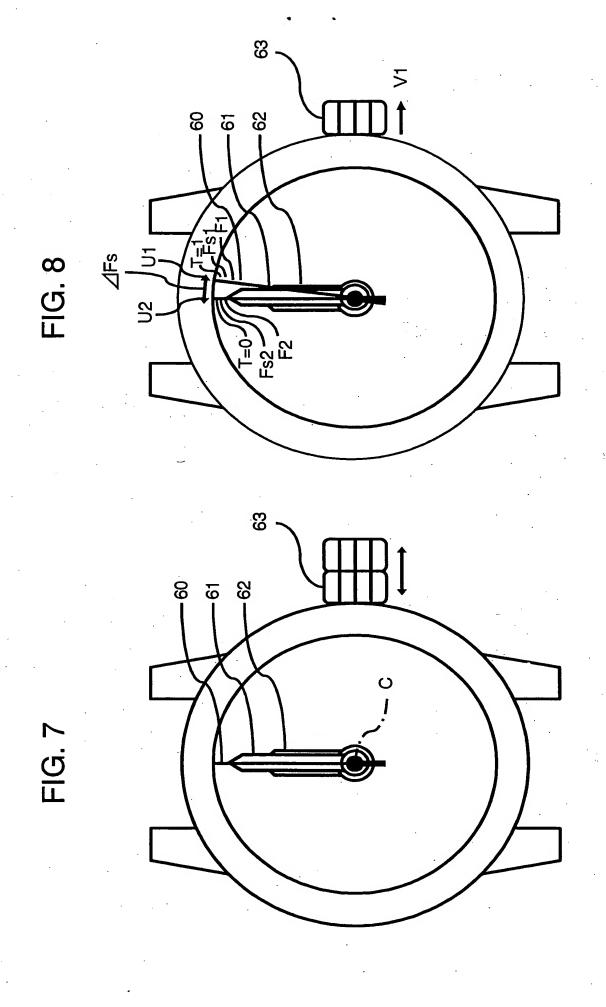


FIG. 6



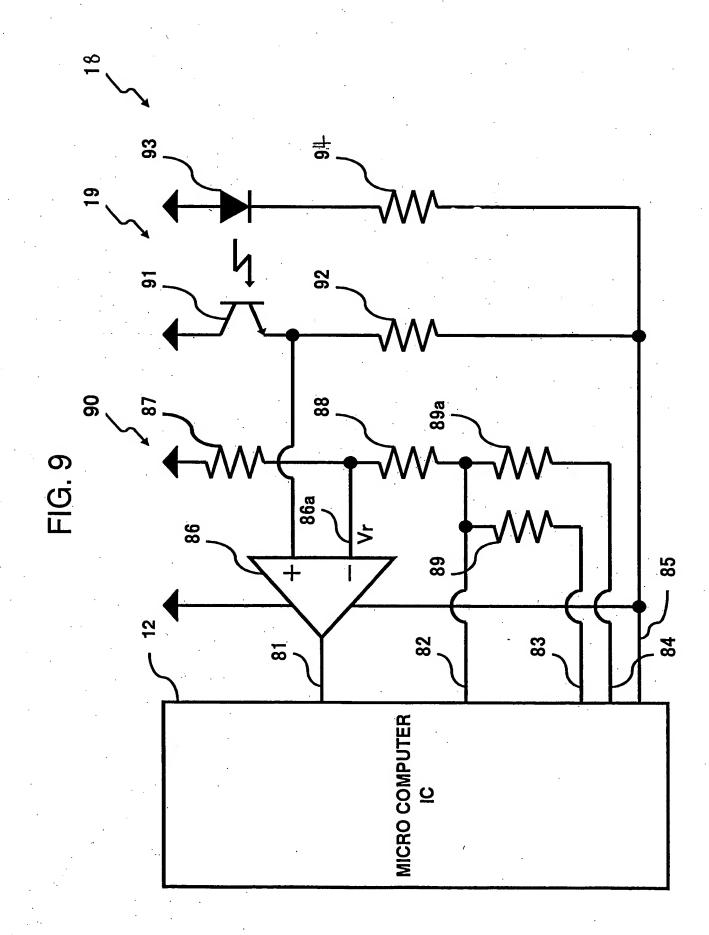
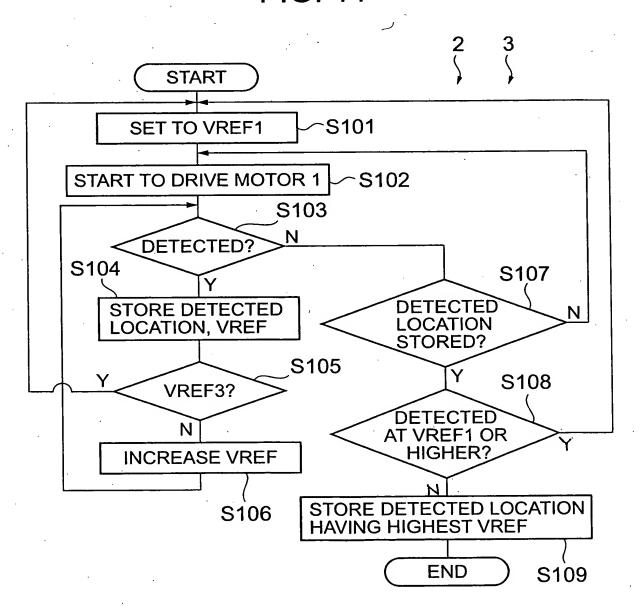
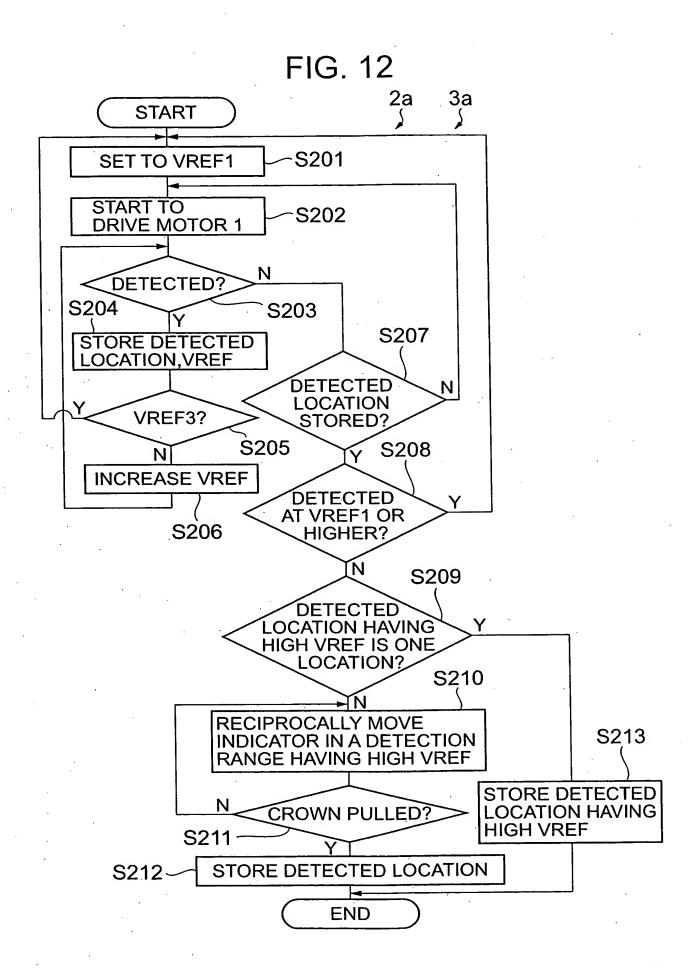


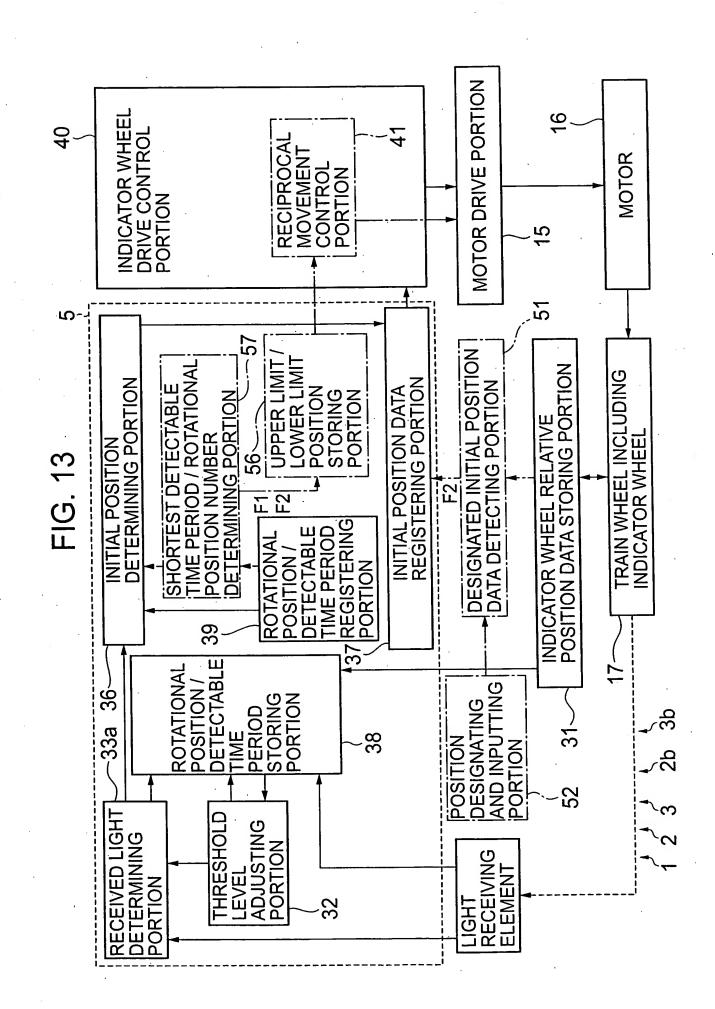
FIG. 10

REFERENCE VOLTAGE		PORT 82	PORT 83	PORT 84
VREF1	1.5V	VSS	Hi-Z	Hi-Z
VREF2	2.0V	Hi-Z	VSS	Hi-Z
VREF3	2.5V	Hi-Z	Hi-Z	VSS

FIG. 11







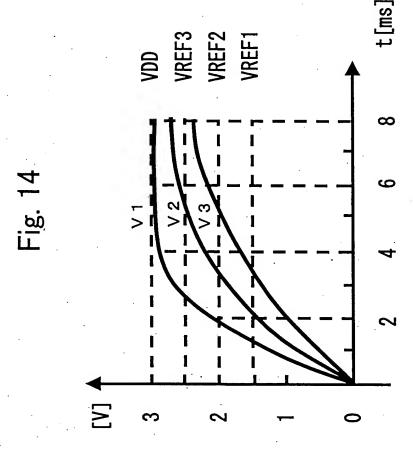
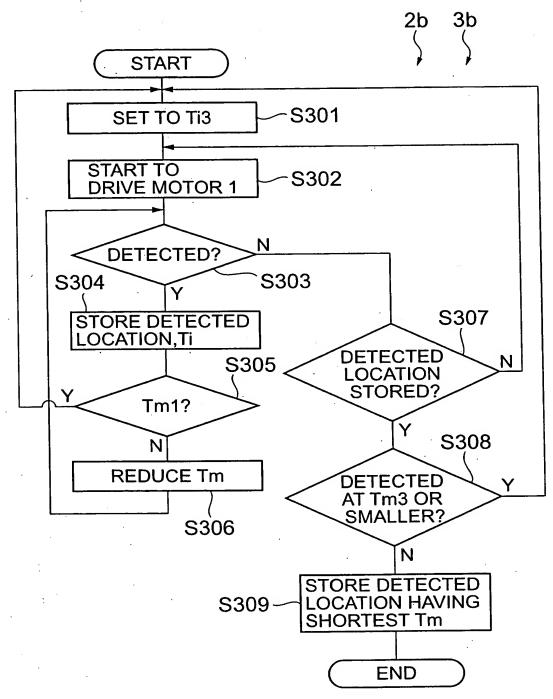


FIG. 15



Tm1<Tm2<Tm3
IN DETECTING BY LIGHT RECEIVING ELEMENT

FIG. 16 3c 2c **START** S401 **SET TO Ti3** START TO S402 **DRIVE MOTOR 1** DETECTED? S404 S403 S407 STORE DETECTED LOCATION,Tm DETECTED LOCATION **Tm1?** STORED? **\$405** S408 **REDUCE Tm** DETECTED AT Tm3 OR SMALLER? S406 N S409 DETECTED **LOCATION HAVING** SHORTER Tm IS ONE LOCATION? S410 RECIPROCALLY MOVE S413 INDICATOR IN A DETECTION RANGE HAVING SHORT Tm STORE DETECTED N **LOCATION HAVING** CROWN PULLED? SHORT Tm S411 STORE DETECTED LOCATION S412-**END**